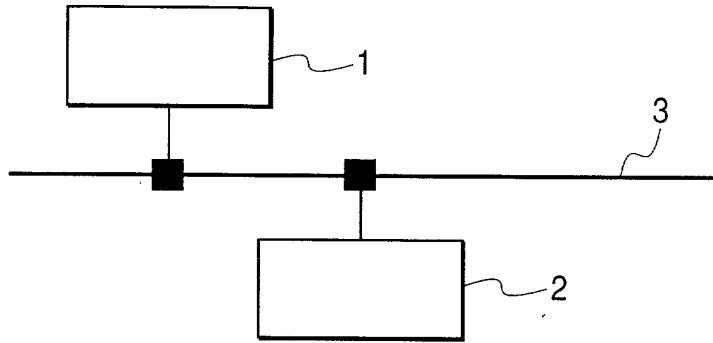
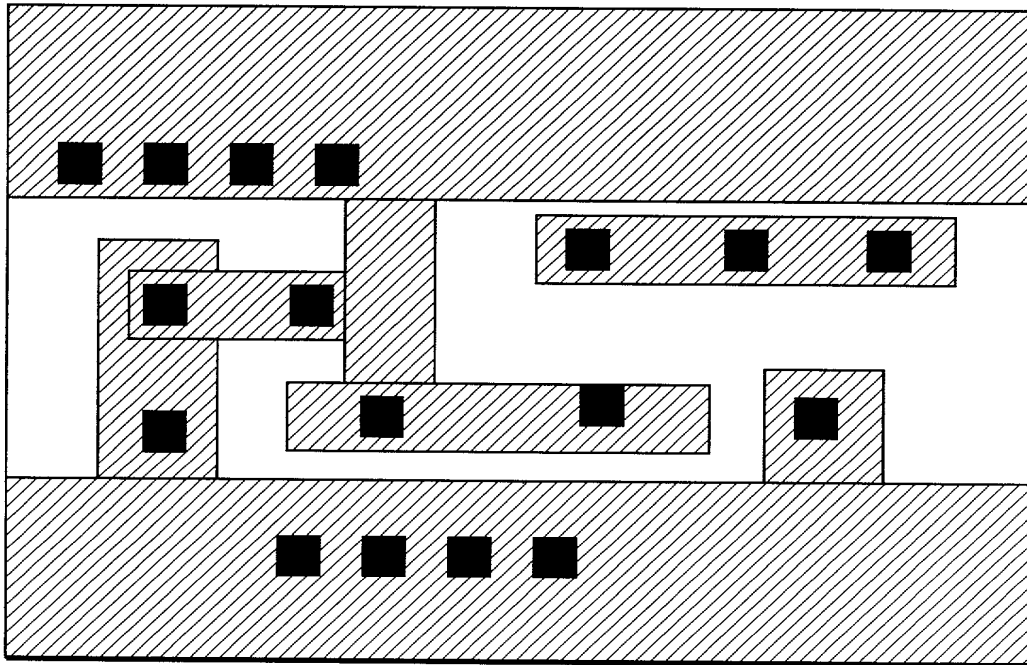


**FIG. 1**



**FIG. 2**



**FIG. 3**

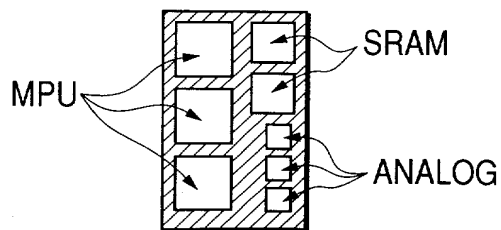


FIG. 4(a)

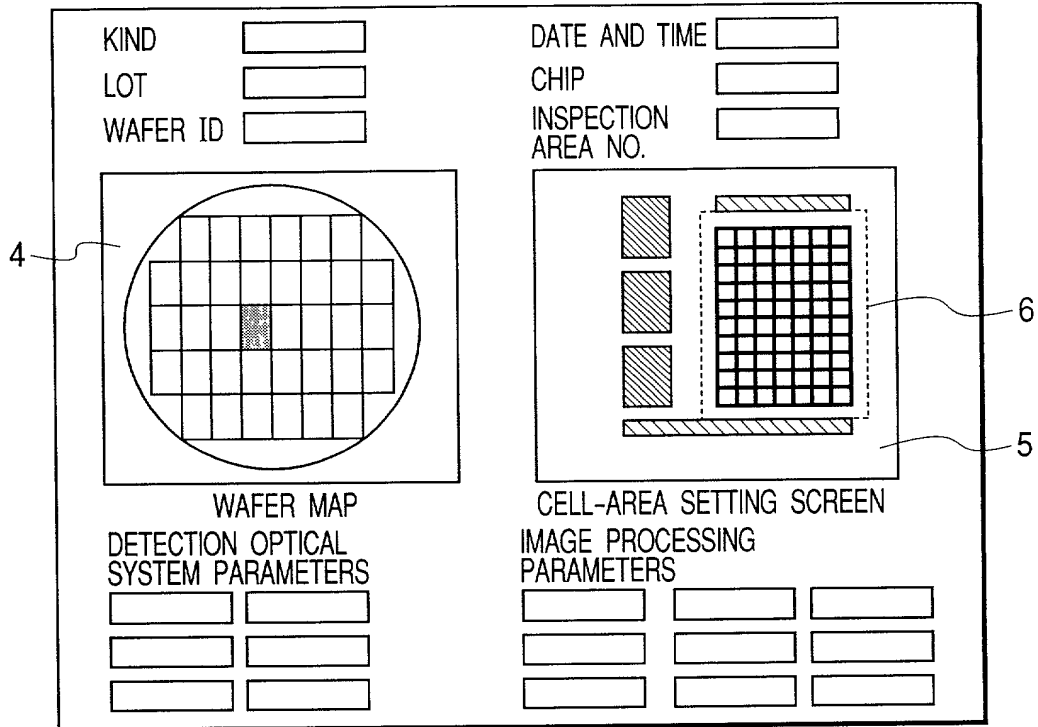


FIG. 4(b)

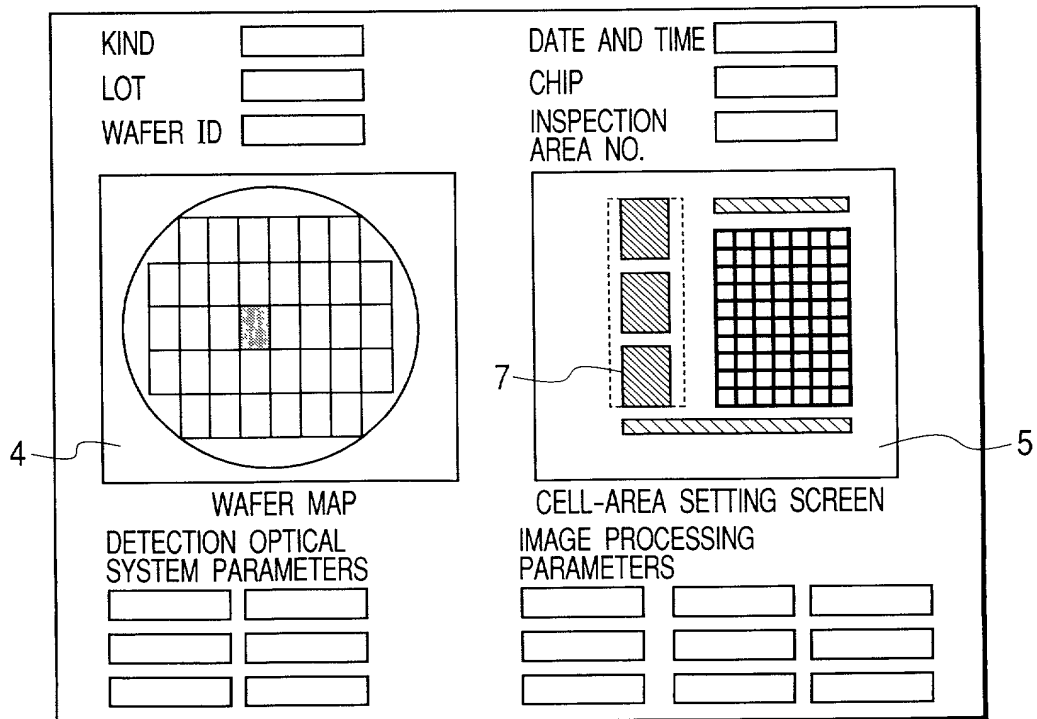




FIG. 6(a)

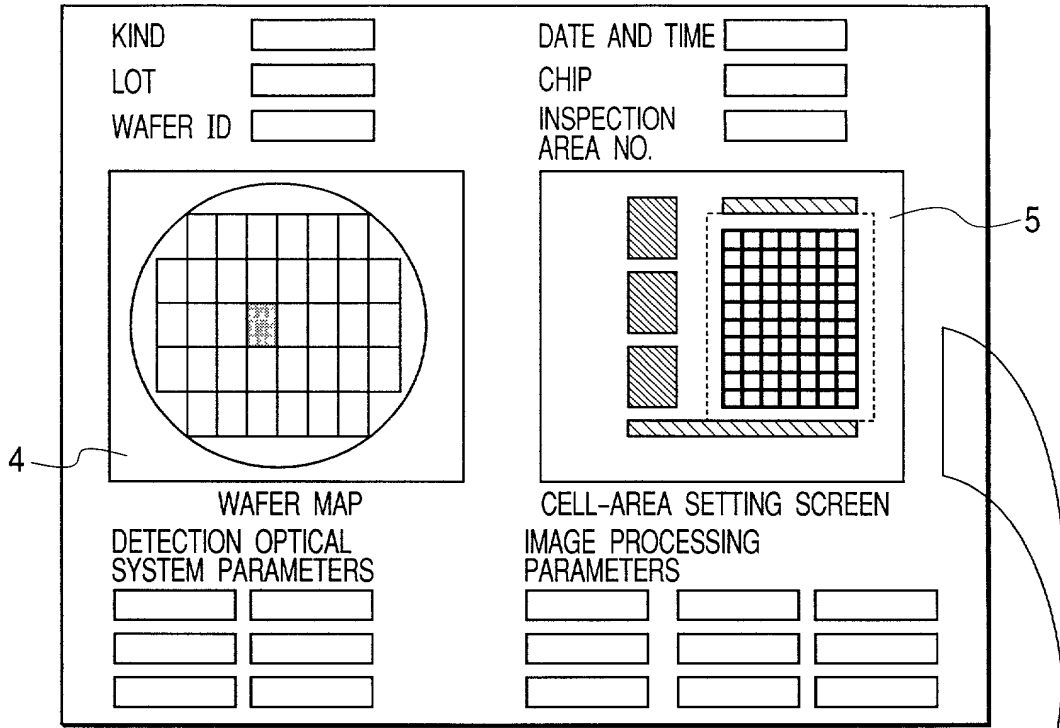


FIG. 6(b)

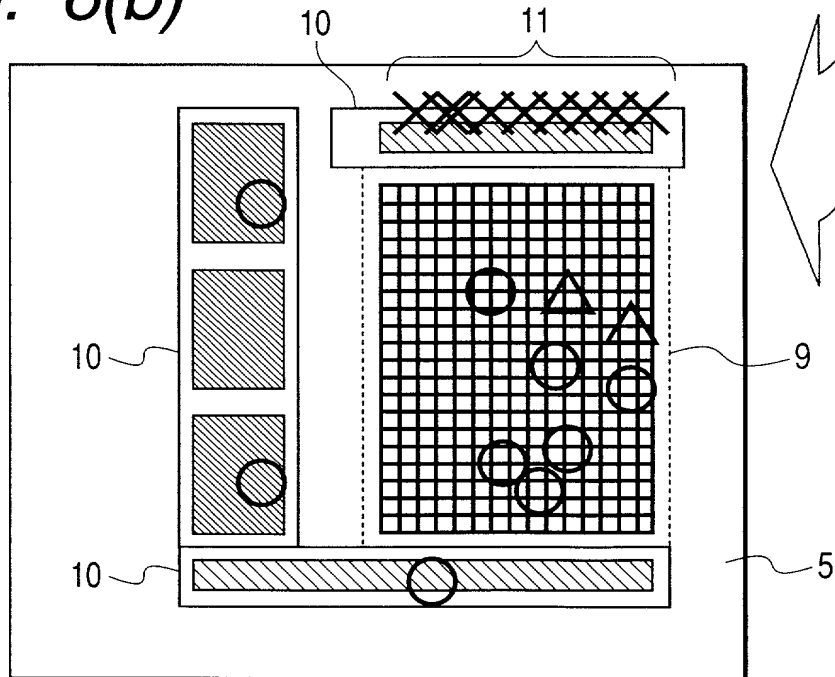


FIG. 7

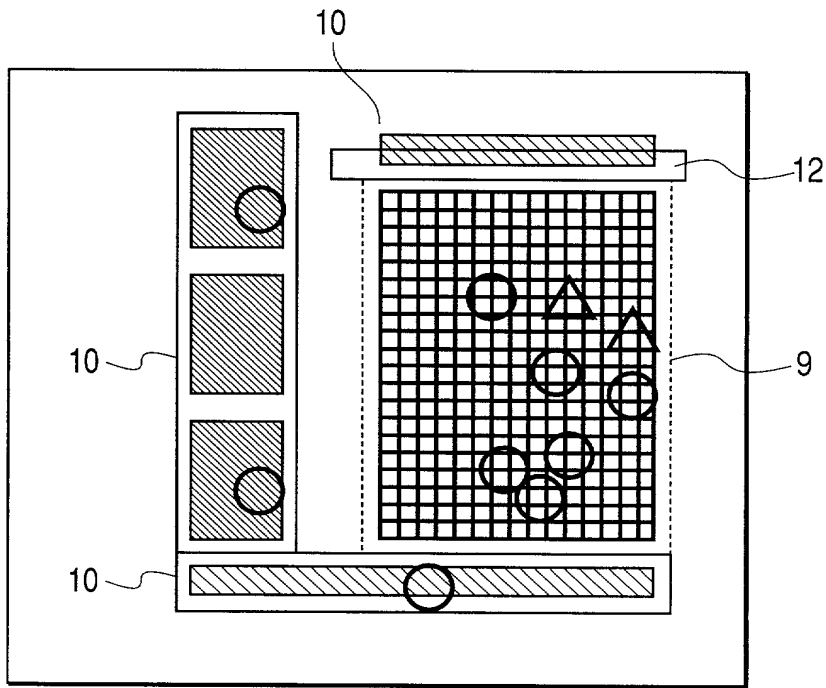


FIG. 8(a)

FIG. 8(b)

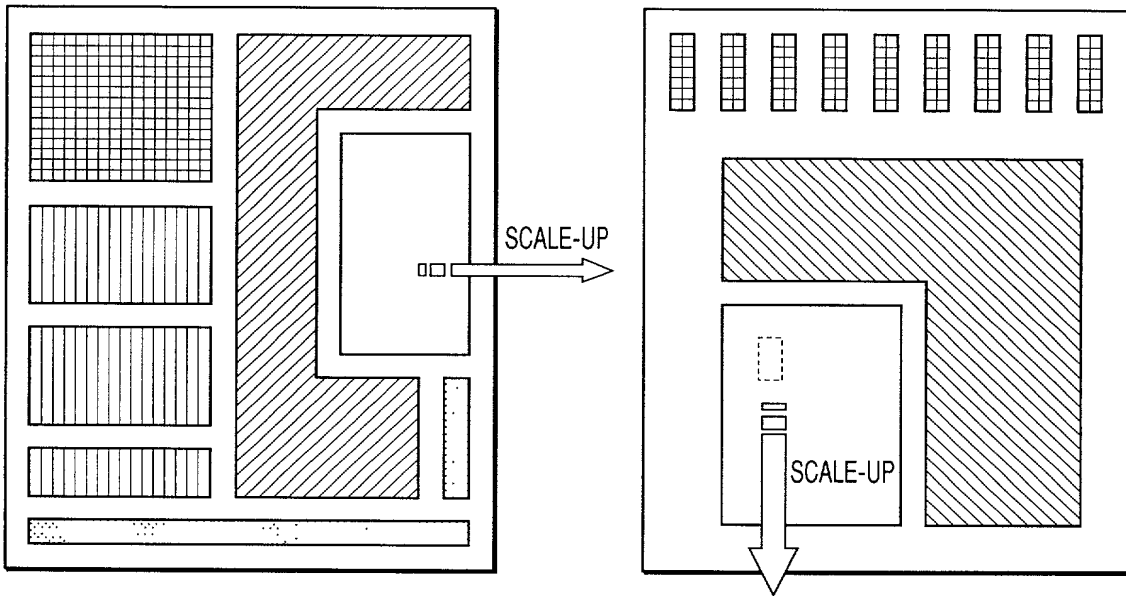


FIG. 8(c)

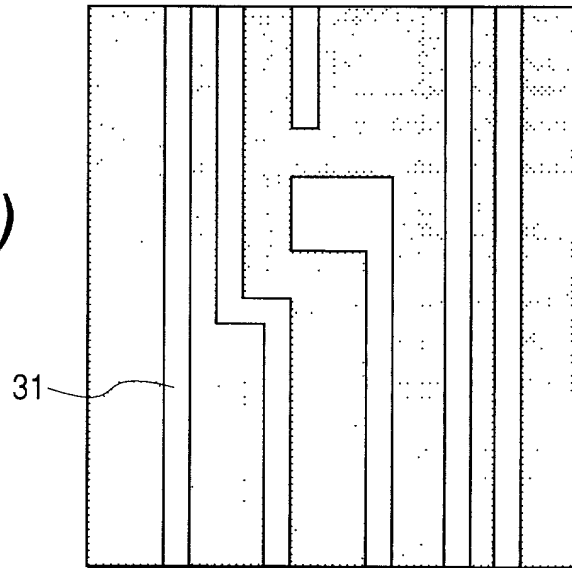


FIG. 9

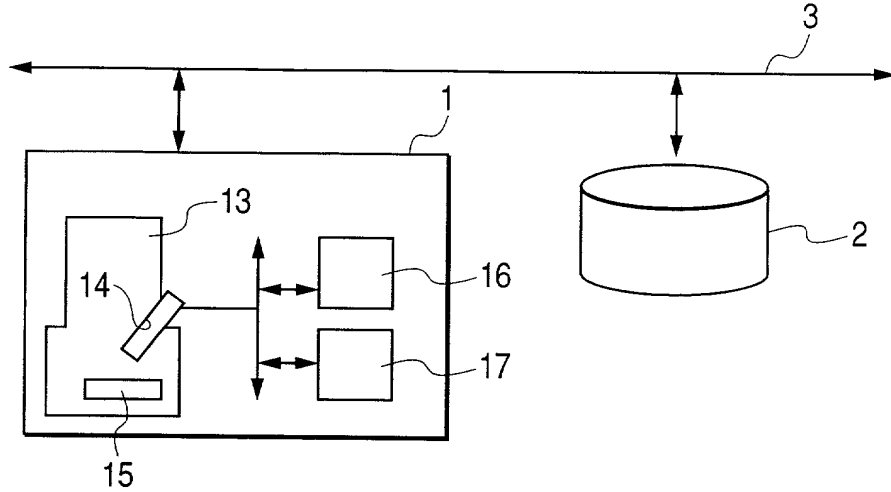


FIG. 10

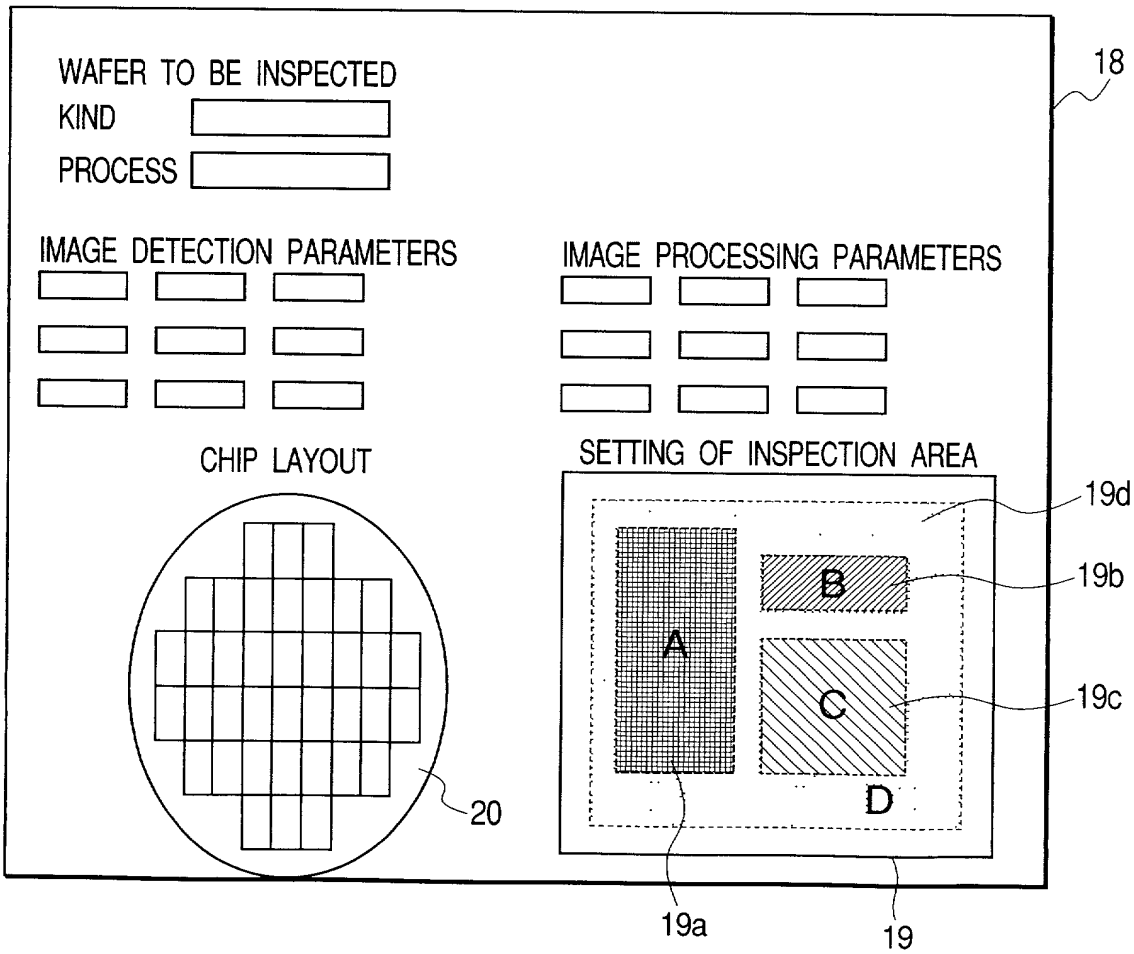


FIG. 11(a)

FIG. 11(b)

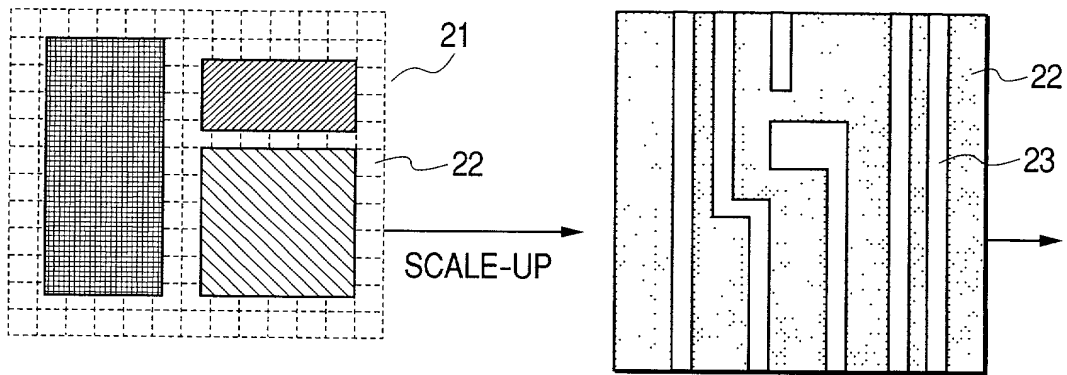


FIG. 11(c)

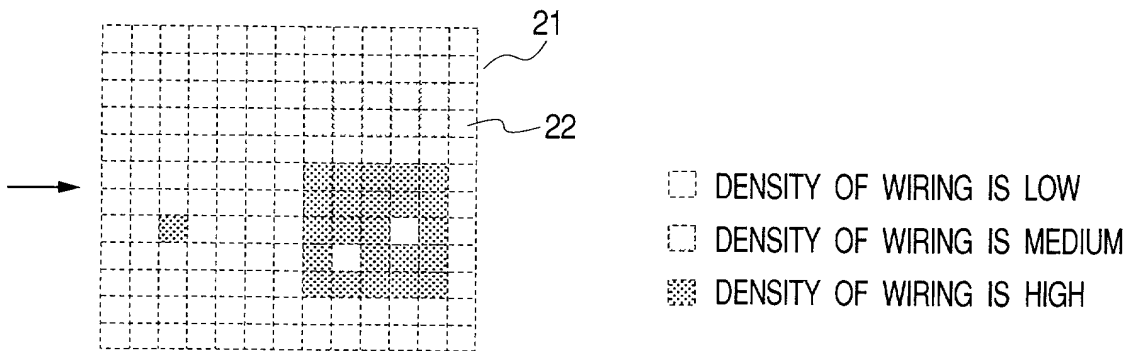




FIG. 12(a)

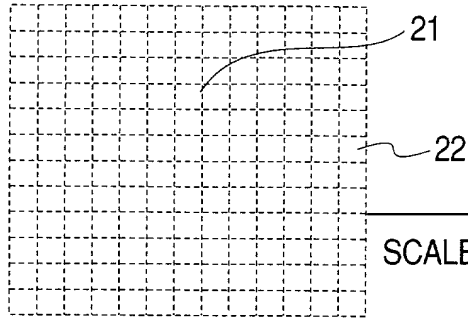
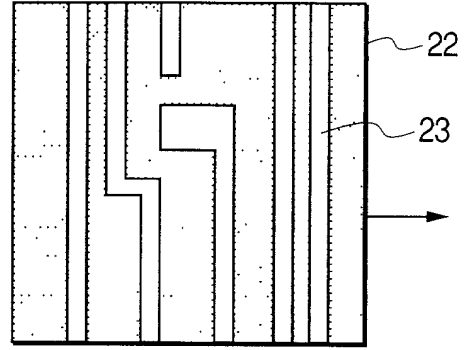
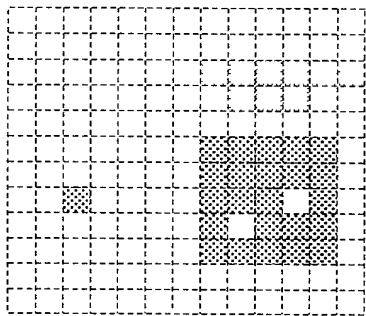


FIG. 12(b)



SCALE-UP

FIG. 12(c)



- DENSITY OF WIRING IS LOW
- ▒ DENSITY OF WIRING IS MEDIUM
- DENSITY OF WIRING IS HIGH

FIG. 12(d)

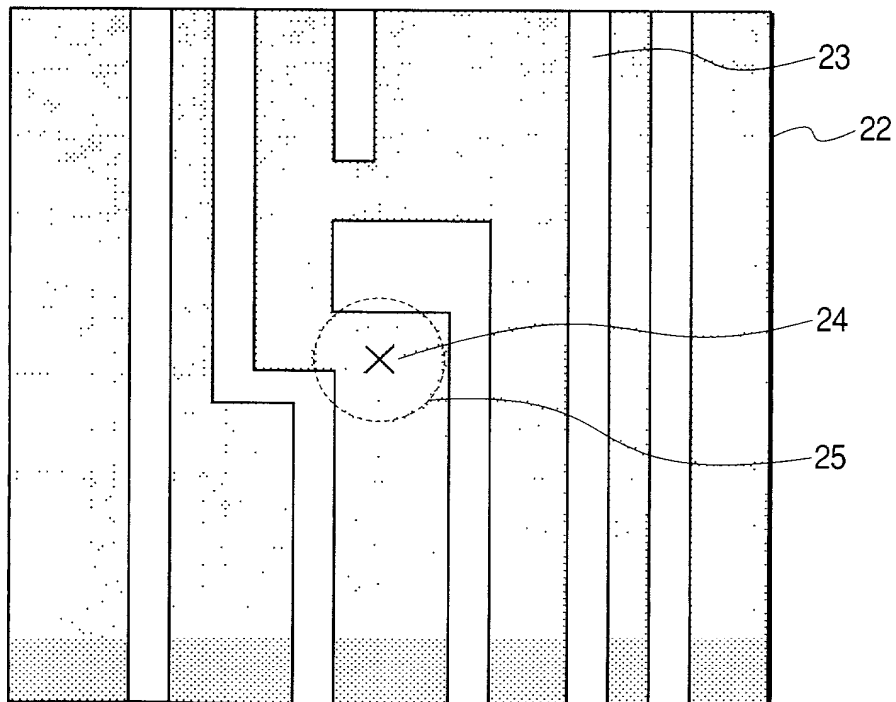


FIG. 13

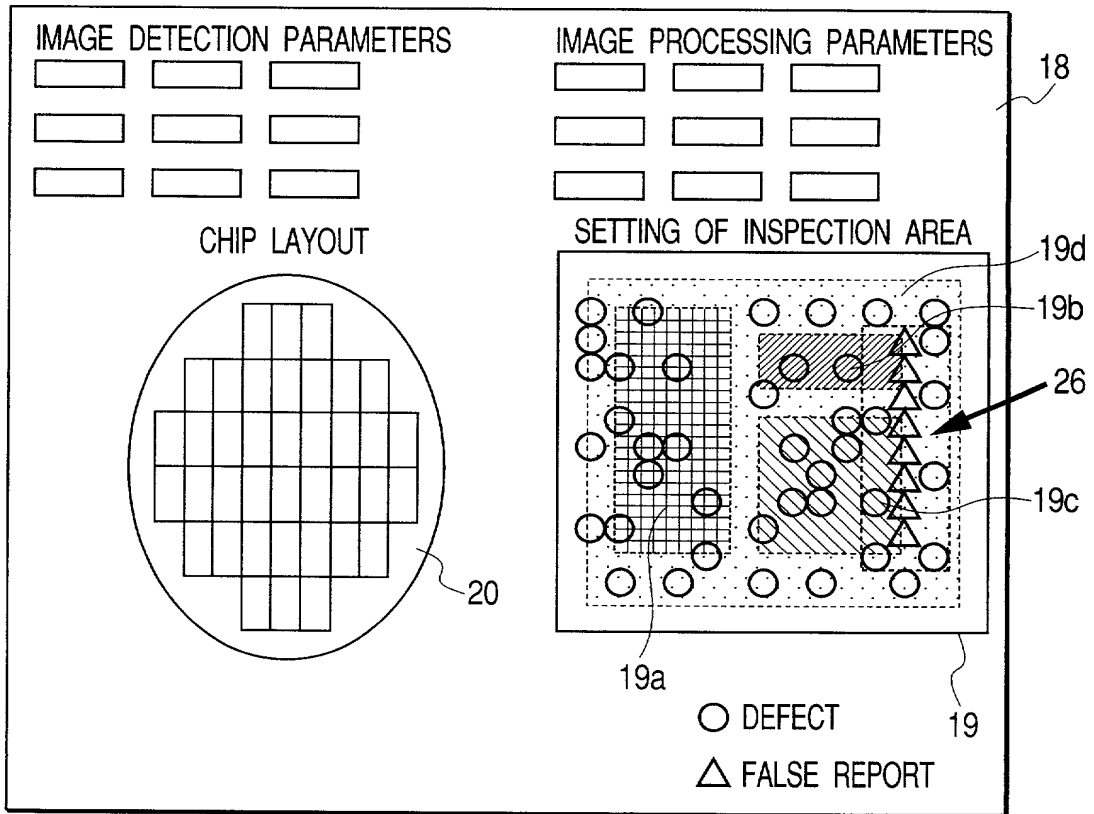


FIG. 14

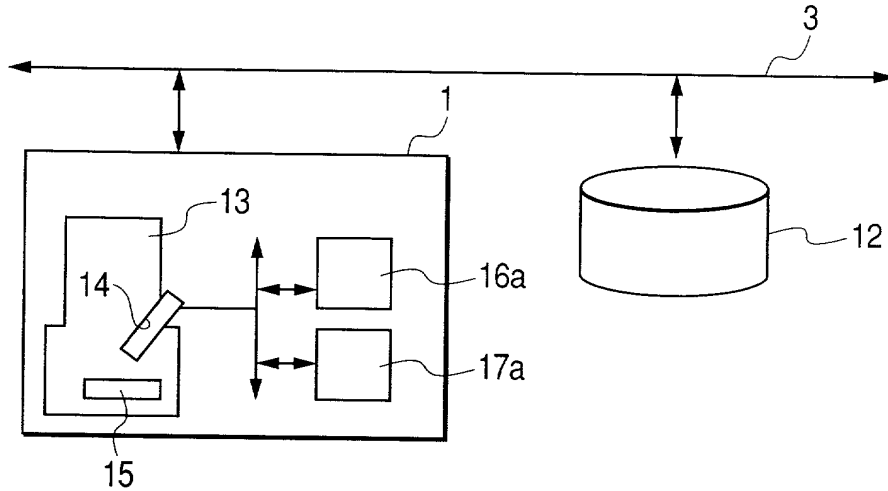


FIG. 15

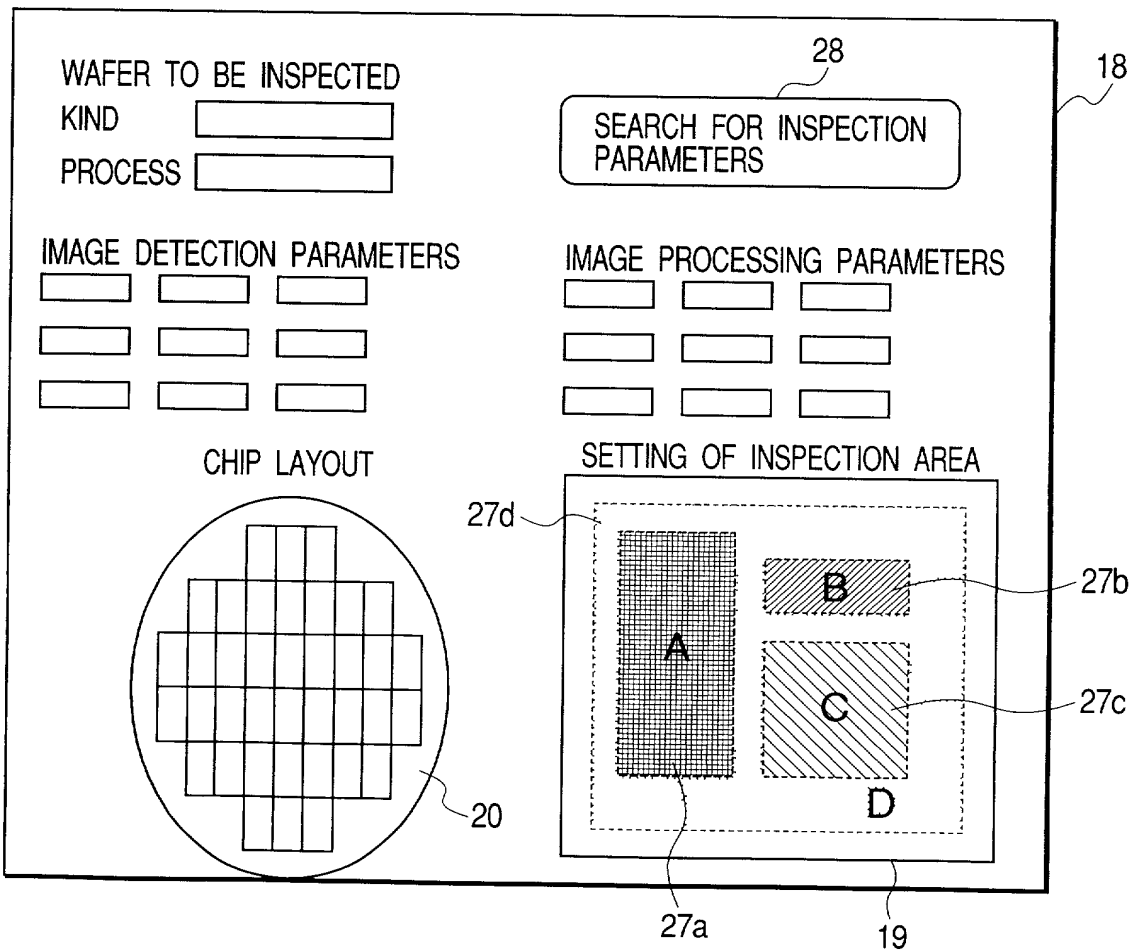


FIG. 16

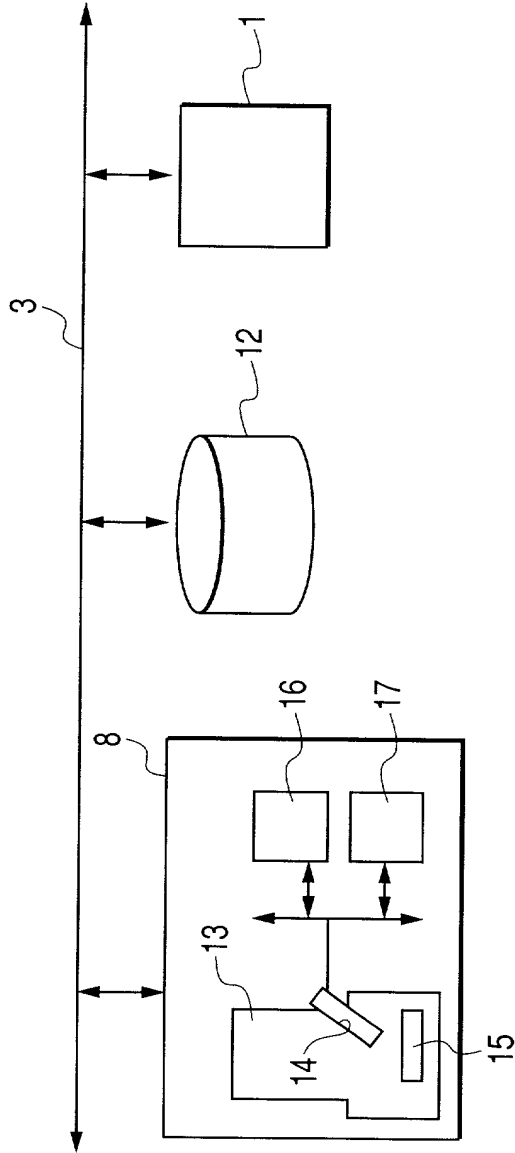


FIG. 16 is a block diagram of a system architecture. The system includes a central bus (3) connected to several components: a large block (8) containing sub-components (13, 14, 15, 16, 17), a cylindrical component (12), and a rectangular block (1). Bidirectional arrows indicate communication between the bus and each of these components.

FIG. 17

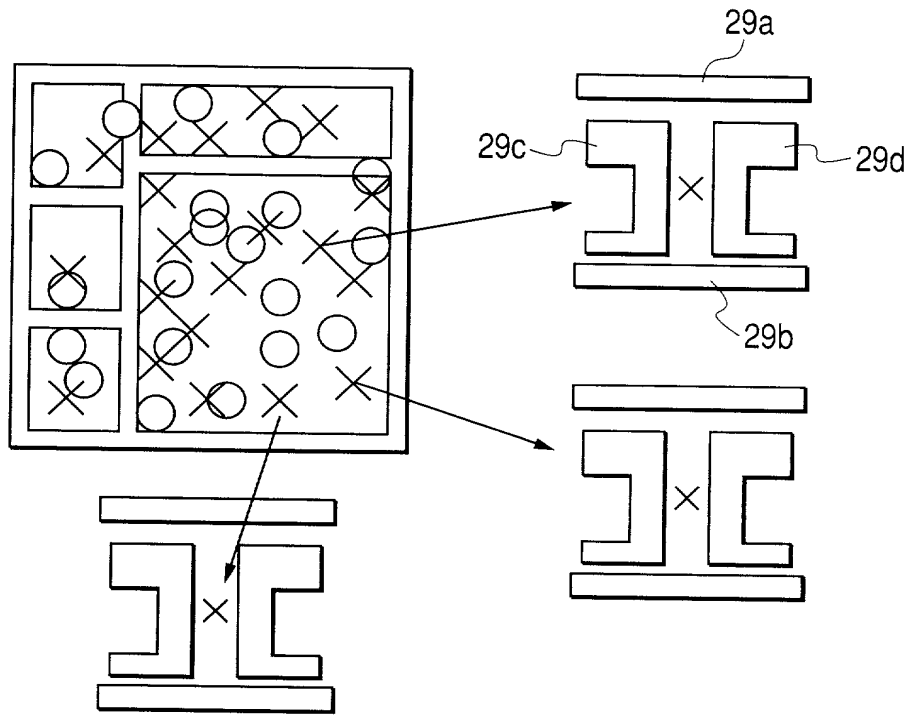


FIG. 18

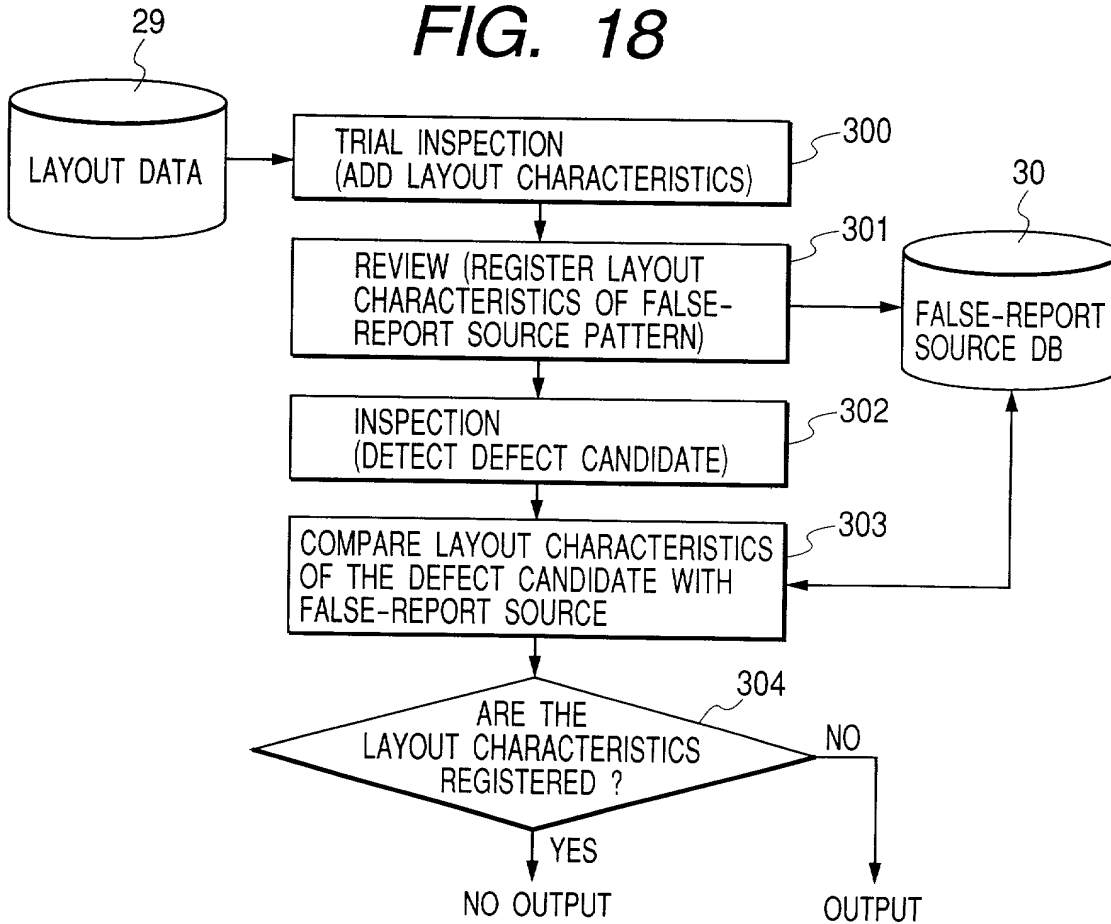
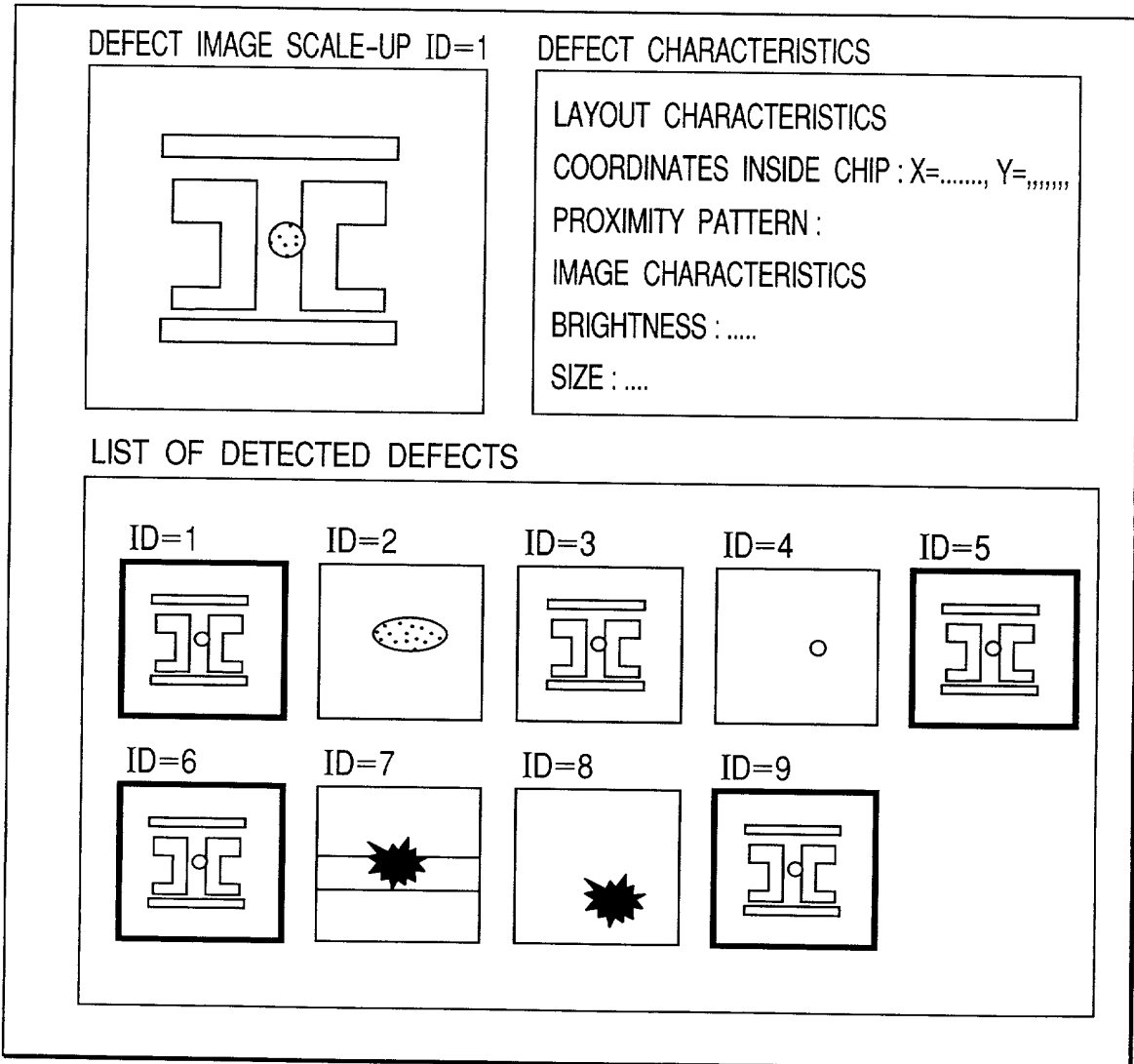


FIG. 19



Microfilm Edition of the Proceedings of the International Conference on Microelectronic Packaging and Assembly, 1992, Vol. 1, No. 1, pp. 14-22

FIG. 20

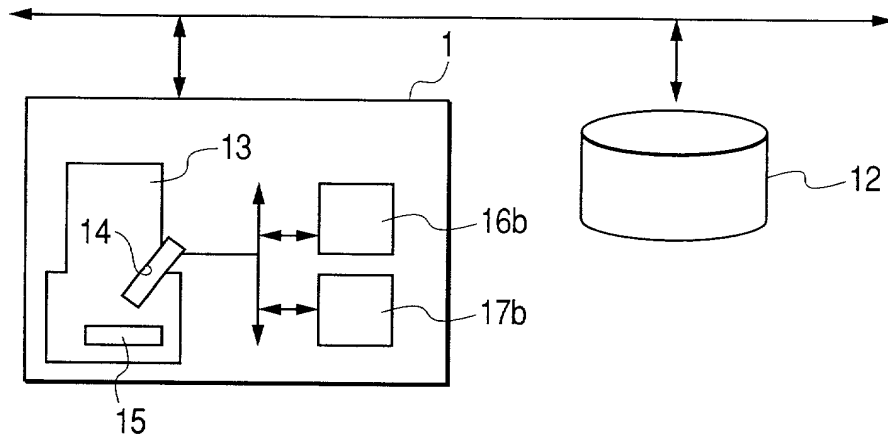
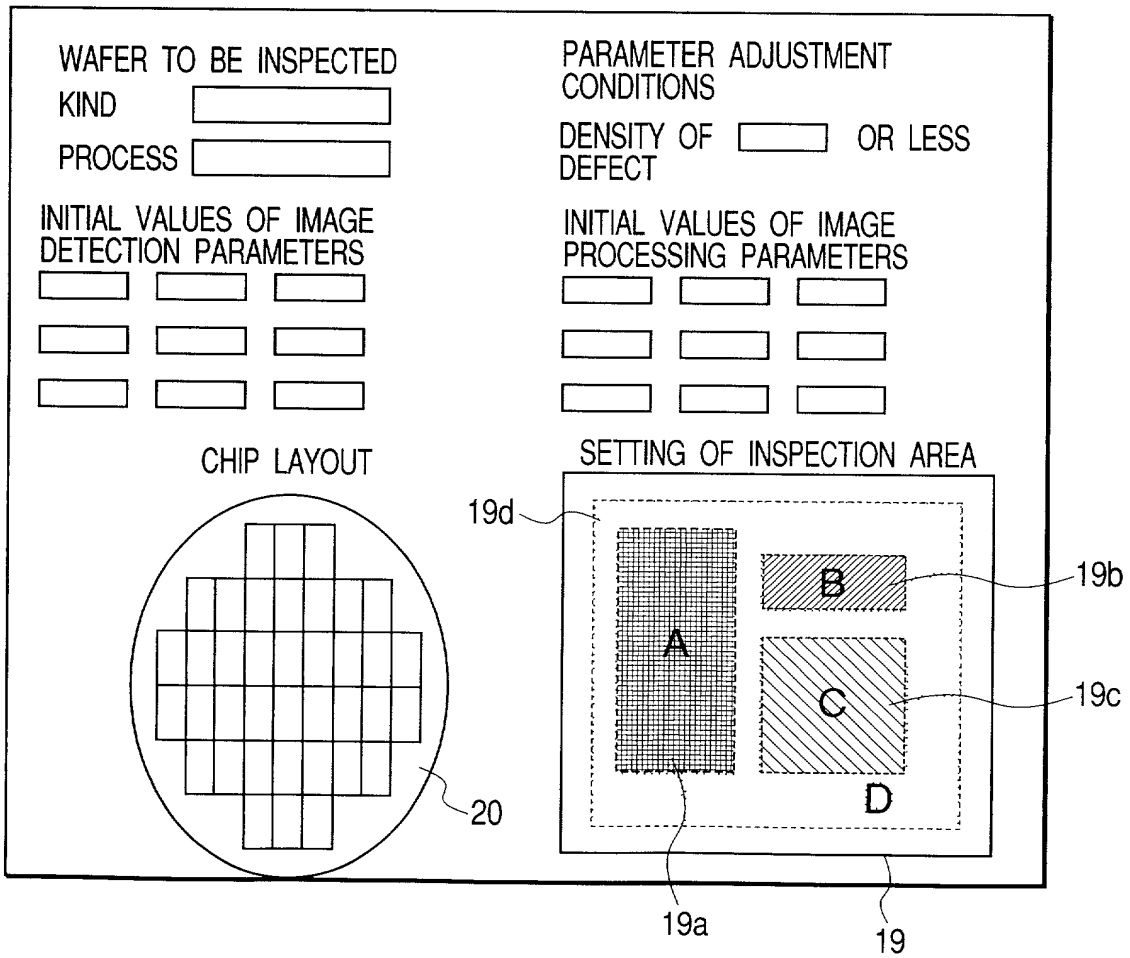
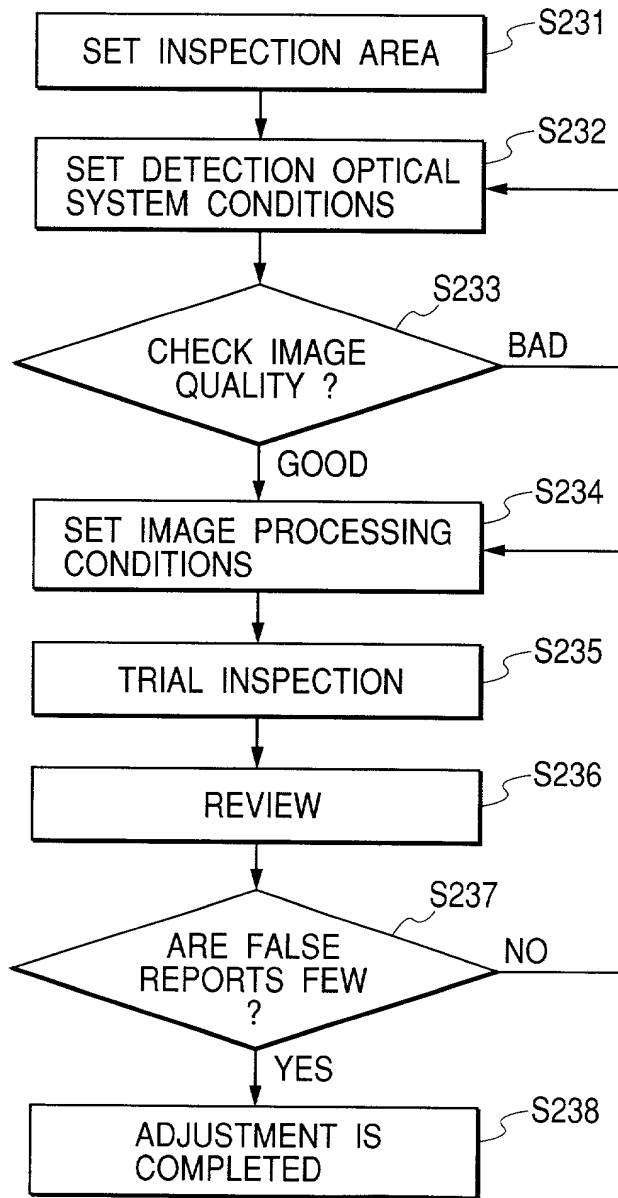


FIG. 21



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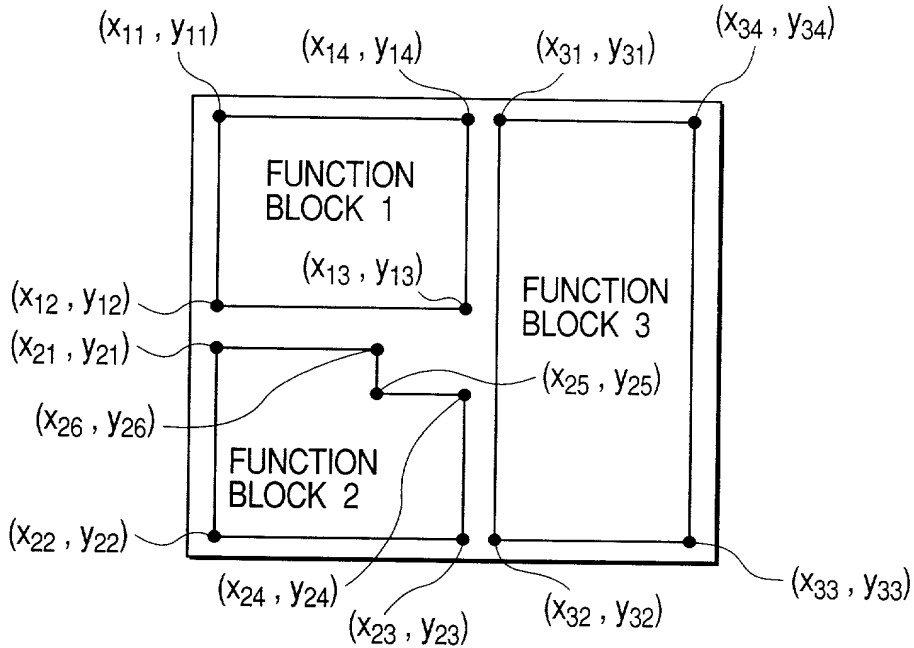
FIG. 22



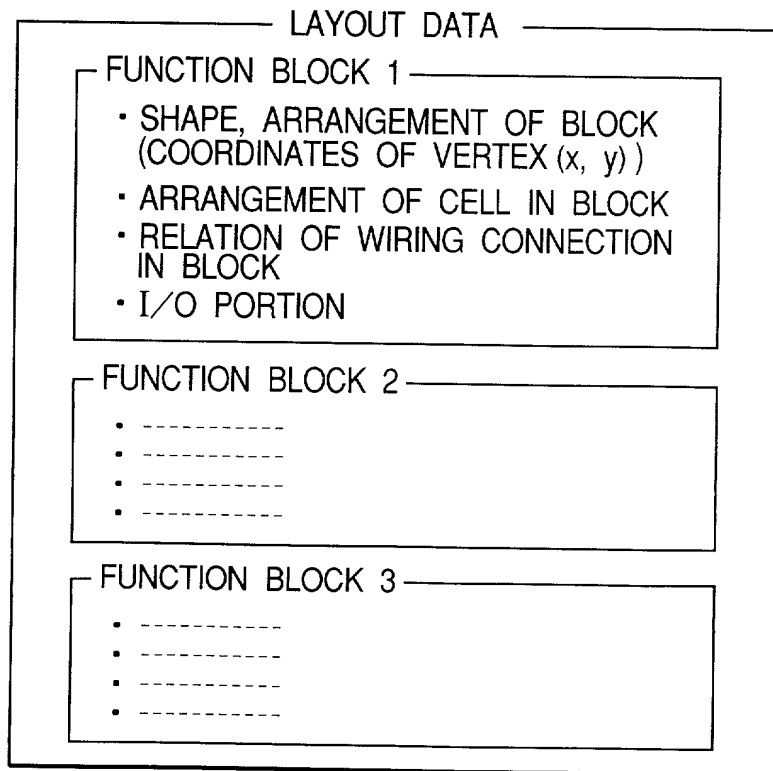
Patent Application No. 2001-010000, Filed March 20, 2001



**FIG. 23**



**FIG. 24**



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FIG. 25

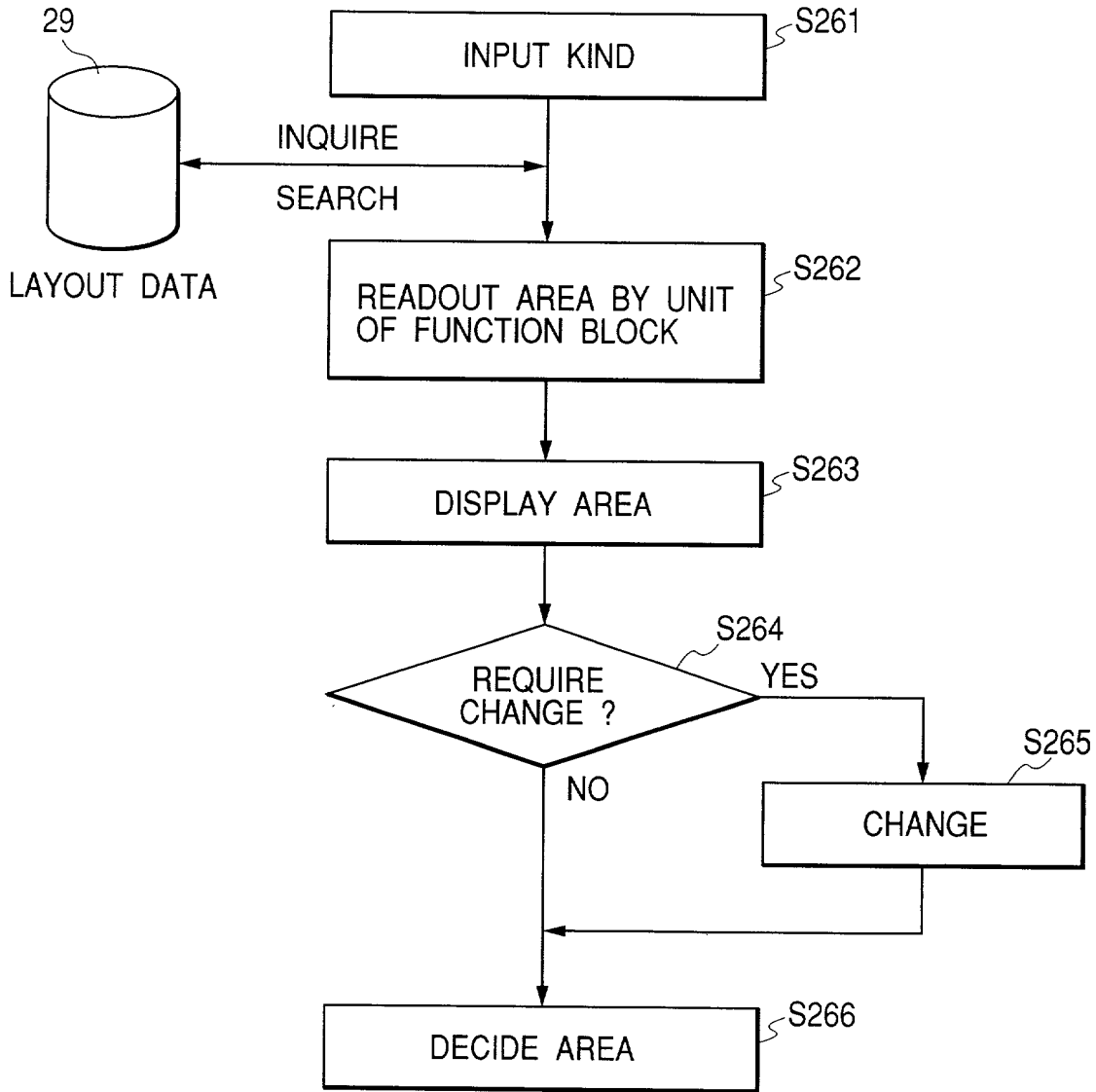


FIG. 26

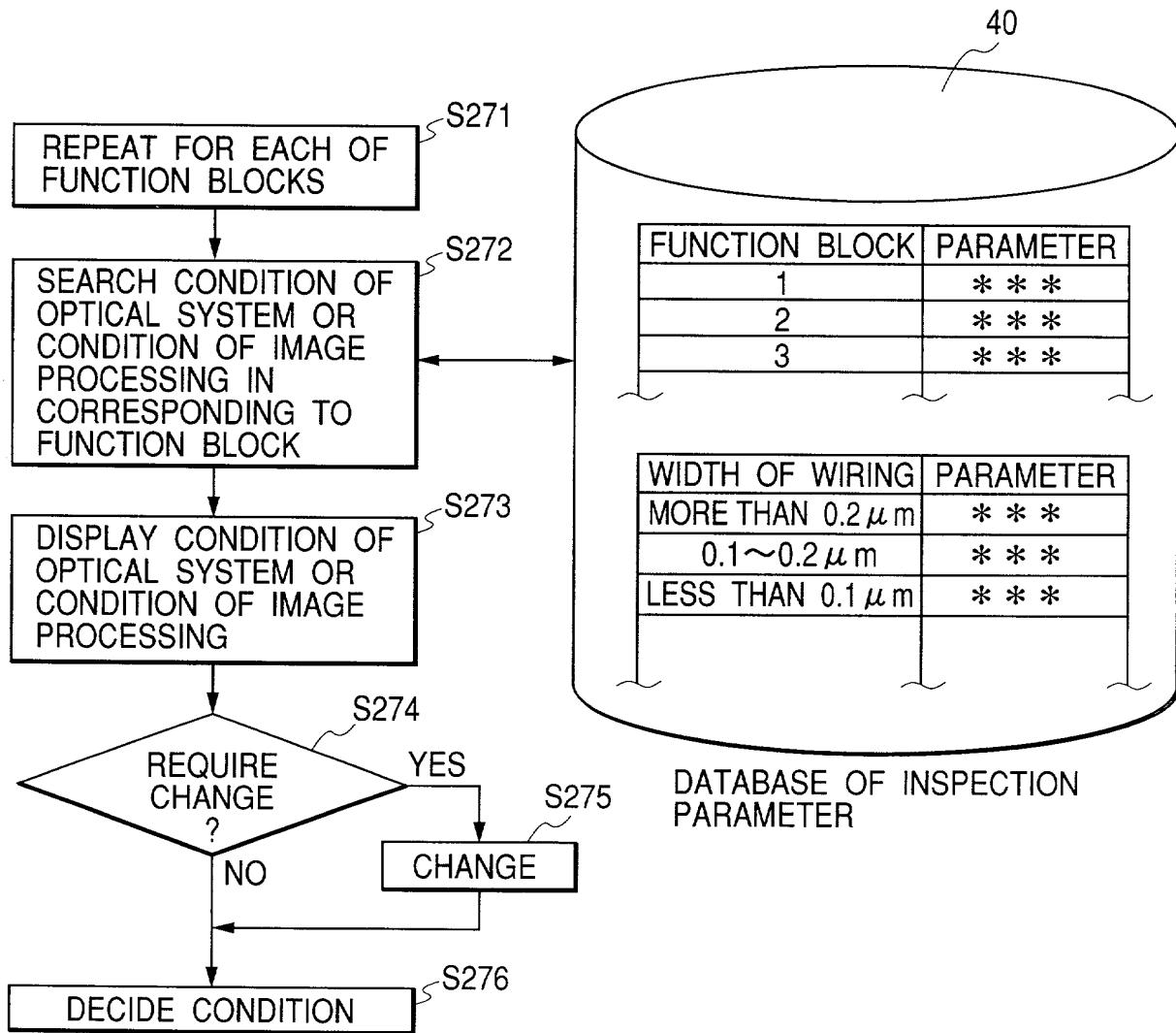


FIG. 27

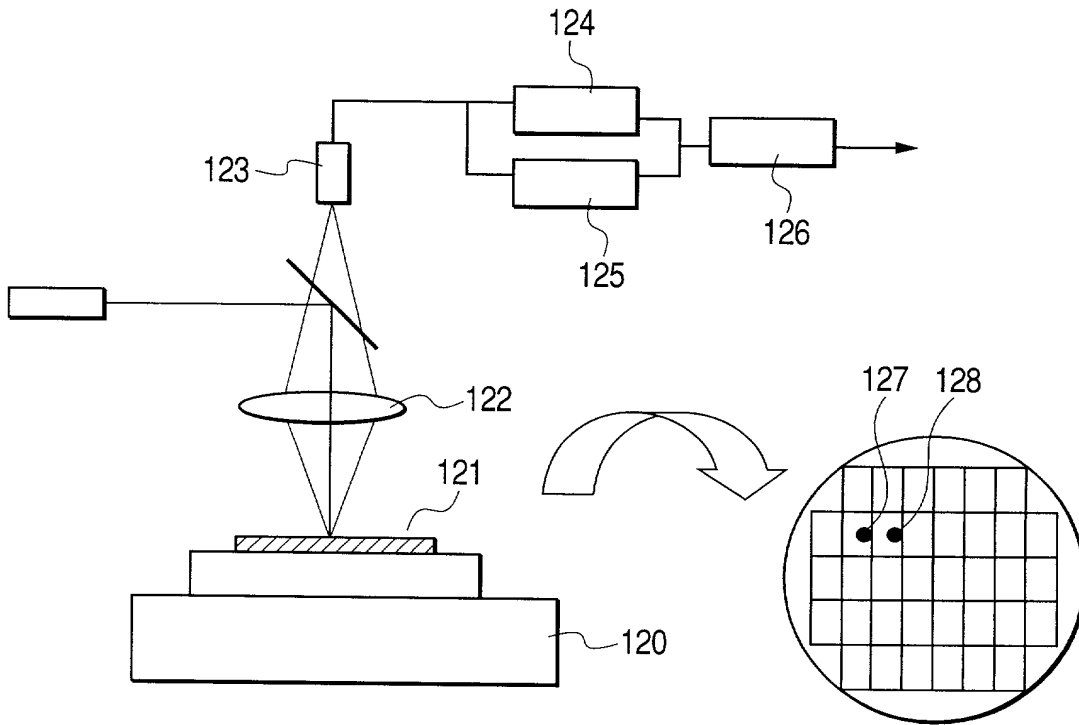
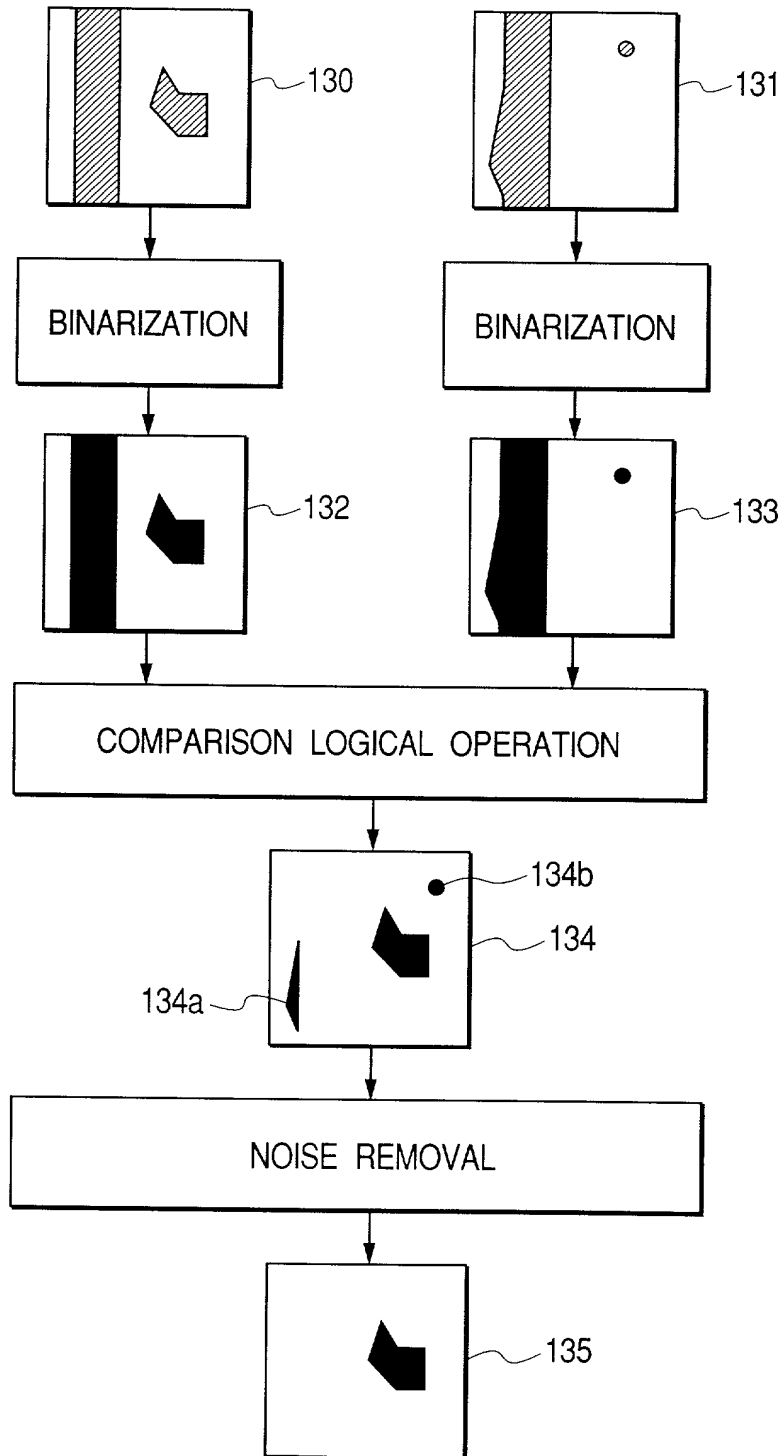


FIG. 27 is a schematic diagram of an optical measurement system. The system includes a light source (120) that emits a beam of light through a lens (122) and a beam splitter (123). The light is focused onto a sample (121) on a base (120). The reflected light is collected by the lens (122) and passes through the beam splitter (123). The transmitted light then passes through a lens (124) and a filter (125) before being detected by a detector (126). A circular inset shows a magnified view of a grid sensor (127) with two points of interest (128).

FIG. 28



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FIG. 29

